



Job title	Research Associate/Fellow: <i>In vivo</i> immune characterization	Job family and level	Research and Teaching Level 4 (Appointment will be Level 4 Career training grade where an appointment is made before PhD has been completed)
School/ Department	School of Life Sciences	Location	University Park Campus

Purpose of role

The key research areas of this role will be:

- Tissue preparation for quantification of fibrosis and foreign body response to implanted materials and skin patches in close collaboration with other team members
- Immune cell isolation from different tissue/sample formats and their phenotypical characterisation
- Development of a working methodology for the real-time quantification of inflammation in close collaboration with team members

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	Project <ul style="list-style-type: none"> ▪ Immuno-histochemical characterisation of fibrosis and the foreign body response to biomaterials using IHC and fluorescent microscopy ▪ Characterisation of immune cells including macrophages using different methodologies (IHC, flow cytometry, qPCR) ▪ Experimental design, data acquisition and interpretation 	70%
2	Training <ul style="list-style-type: none"> ▪ Training and advising research assistants and postgraduate students in the use of equipment. ▪ Transferring of instrumental skills and ensure correct and robust procedures are carried out in obtaining data for PhD and other research projects. ▪ Providing a range of technical skills and analytical advice to the above projects and training and advice to research workers in the areas of Good Laboratory Practice and in Health and Safety. 	15%
3	Outputs <ul style="list-style-type: none"> ▪ Contribute to internal meetings and work in conjunction with the research team to achieve objectives. ▪ Prepare research results for publication, read relevant literature and offer new insights to the research area. ▪ Contribute to dissemination at scientific meetings, resulting in successful outputs. 	15%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> Immunohistochemistry Fluorescent microscopy 	<ul style="list-style-type: none"> Multicolor flow cytometry qPCR Track record of published work
Knowledge and experience	<ul style="list-style-type: none"> Excellent knowledge of foreign body response (FBR) and fibrosis Experience of working with tissue samples to characterise immune cell infiltration and phenotype Publication in relevant areas 	<ul style="list-style-type: none"> Characterising macrophages using different methods Working with animal models of the FBR and/or fibrosis
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> PhD (or close to completion) in immunology or related disciplines 	<ul style="list-style-type: none"> Personal license for animal experiments



Athena
SWAN
Silver Award



Race
Equality
Charter
Bronze Award



COMMITTED



Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- Valuing people** Is friendly, engaging and receptive, putting others at ease. Actively listens to others and goes out of way to ensure people feel valued, developed and supported.
- Taking ownership** Is clear on what needs to be done encouraging others to take ownership. Takes action when required, being mindful of important aspects such as Health & Safety, Equality, Diversity & Inclusion, and other considerations.
- Forward thinking** Drives the development, sharing and implementation of new ideas and improvements to support strategic objectives. Engages others in the improvement process.
- Professional pride** Is professional in approach and style, setting an example to others; strives to demonstrate excellence through development of self, others and effective working practices.
- Always inclusive** Builds effective working relationships, recognising and including the contribution of others; promotes inclusion and inclusive practices within own work area.

Key relationships with others



